



INFORMATION CITED BY APPLICANT THAT MAY BE MATERIAL TO THE  
PROSECUTION OF THE SUBJECT APPLICATION

Applicant: B. Kim Attorney Docket No. SEMT116964  
Application No.: 10/687,112 Group Art Unit: 1762  
Filed: October 15, 2003 Examiner: F.J. Parker  
Title: PROCESSES AND TOOLS FOR FORMING LEAD-FREE  
ALLOY SOLDER PRECURSORS

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
BT	U1	5,902,472	A	05/11/1999	Arai et al.
BT	U2	5,940,235	A	08/17/1999	Sasaki et al.
BT	U3	5,948,235	A	09/07/1999	Arai

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	
BT	O1	Kim, B., and T. Ritzdorf, "Electrochemically Deposited Tin-Silver-Copper Ternary Solder Alloys," <i>Journal of The Electrochemical Society</i> 150(2):C53-C60, 2002.
BT	O2	Kim, B., and T. Ritzdorf, "Electrodeposition of Ternary Near-Eutectic SnAgCu Solders With an Alkaline Bath," <i>Proceedings of the 2002 International Symposium and Exhibition on Advanced Packaging Materials, Session 3</i> , Stone Mountain Park, Georgia, March 3-6, 2002.

Examiner

Date Considered

/Brian Talbot/

02/28/2007

\*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



SUPPLEMENTAL INFORMATION CITED BY APPLICANT THAT MAY BE MATERIAL  
TO THE PROSECUTION OF THE SUBJECT APPLICATION

Applicant: B. Kim Attorney Docket No. SEMT116964  
Application No.: 10/687,112 Group Art Unit: 1762  
Filed: October 15, 2003 Examiner: F.J. Parker  
Title: PROCESSES AND TOOLS FOR FORMING LEAD-FREE  
ALLOY SOLDER PRECURSORS

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
BT	U4	4,113,577	A	09/12/1978	Ross et al.
	U5	4,137,867	A	02/06/1979	Aigo
	U6	4,339,319	A	07/13/1982	Aigo
	U7	4,565,609	A	01/21/1986	Nobel et al.
	U8	4,565,610	A	01/21/1986	Nobel et al.
	U9	4,599,149	A	07/08/1986	Nobel et al.
	U10	4,617,097	A	10/14/1986	Nobel et al.
	U11	4,640,746	A	02/03/1987	Nobel et al.
	U12	4,701,244	A	10/20/1987	Nobel et al.
	U13	4,844,780	A	07/04/1989	Lee
	U14	4,849,059	A	07/18/1989	Deresh et al.
	U15	4,871,429	A	10/03/1989	Nobel et al.
	U16	4,880,507	A	11/14/1989	Toben et al.
	U17	4,895,739	A	01/23/1990	Bladon
	U18	4,959,278	A	09/25/1990	Shimauchi et al.
	U19	4,994,155	A	02/19/1991	Toben et al.
	U20	5,024,746	A	06/18/1991	Stierman et al.
	U21	5,066,367	A	11/19/1991	Nobel et al.
BT	U22	5,094,726	A	03/10/1992	Nobel et al.

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>LLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
BT	U23	5,213,676	A	05/25/1993	Reele et al.
	U24	5,282,953	A	02/01/1994	Gernon et al.
	U25	5,289,038	A	02/22/1994	Amano
	U26	5,296,128	A	03/22/1994	Gernon et al.
	U27	5,302,256	A	04/12/1994	Miura et al.
	U28	5,344,607	A	09/06/1994	Gonya et al.
	U29	5,368,814	A	11/29/1994	Gonya et al.
	U30	5,393,489	A	02/28/1995	Gonya et al.
	U31	5,411,703	A	05/02/1995	Gonya et al.
	U32	5,492,235	A	02/20/1996	Crafts et al.
	U33	5,503,286	A	04/02/1996	Nye, III et al.
	U34	5,542,174	A	08/06/1996	Chiu
	U35	5,543,032	A	08/06/1996	Datta et al.
	U36	5,569,433	A	10/29/1996	Chen et al.
	U37	5,580,520	A	12/03/1996	Slattery et al.
	U38	5,651,873	A	07/29/1997	Uchiyama et al.
	U39	5,656,097	A	08/12/1997	Olesen et al.
	U40	5,672,260	A	09/30/1997	Carey et al.
	U41	5,698,087	A	12/16/1997	Bokisa
	U42	5,730,932	A	03/24/1998	Sarkhel et al.
	U43	5,762,886	A	06/09/1998	Jo
	U44	5,773,359	A	06/30/1998	Mitchell et al.
	U45	5,789,271	A	08/04/1998	Akram
	U46	5,833,921	A	11/10/1998	Paruchuri et al.
	U47	5,874,043	A	02/23/1999	Sarkhel et al.
	U48	5,911,866	A	06/15/1999	Oshima et al.
	U49	5,958,333	A	09/28/1999	Matsunaga et al.
BT	U50	5,993,736	A	11/30/1999	Matsunaga et al.

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
<u>BT</u>	U51	6,010,060	A	01/04/2000	Sarkhel et al.
<u>BT</u>	U52	6,013,572	A	01/11/2000	Hur et al.

Examiner

Date Considered

/Brian Talbot/

02/28/2007

\*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JMS:gm

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100